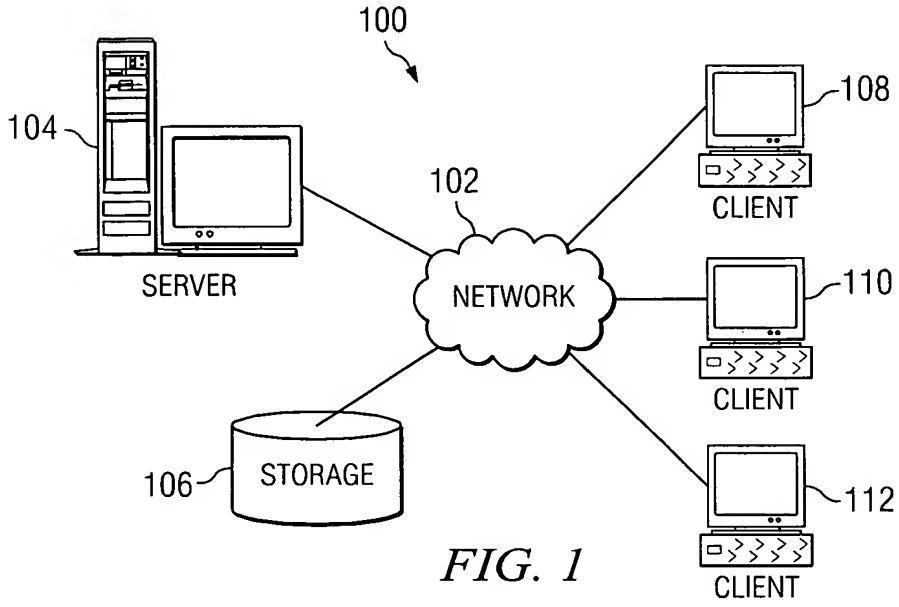
100
104
SERVER
102
NETWORK
108
CLIENT
110
CLIENT
112
CLIENT
106
STORAGE

FIG. 1

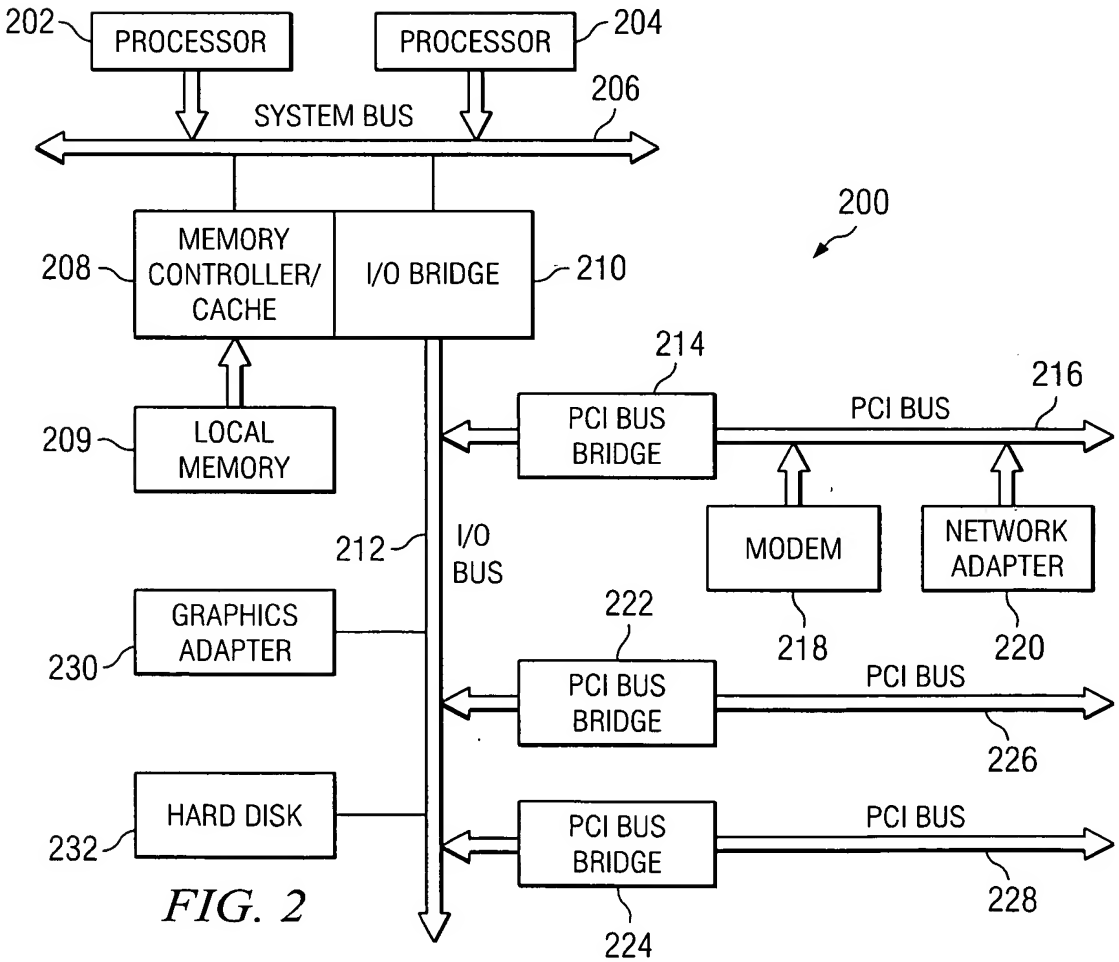
202
PROCESSOR
PROCESSOR
204
206
SYSTEM BUS
200
208
MEMORY CONTROLLER/ CACHE
I/O BRIDGE
210
209
LOCAL MEMORY
214
PCI BUS BRIDGE
216
PCI BUS
212
I/O BUS
MODEM
NETWORK ADAPTER
218
220
222
GRAPHICS ADAPTER
230
PCI BUS BRIDGE
PCI BUS
226
HARD DISK
232
PCI BUS BRIDGE
PCI BUS
228
224

FIG. 2

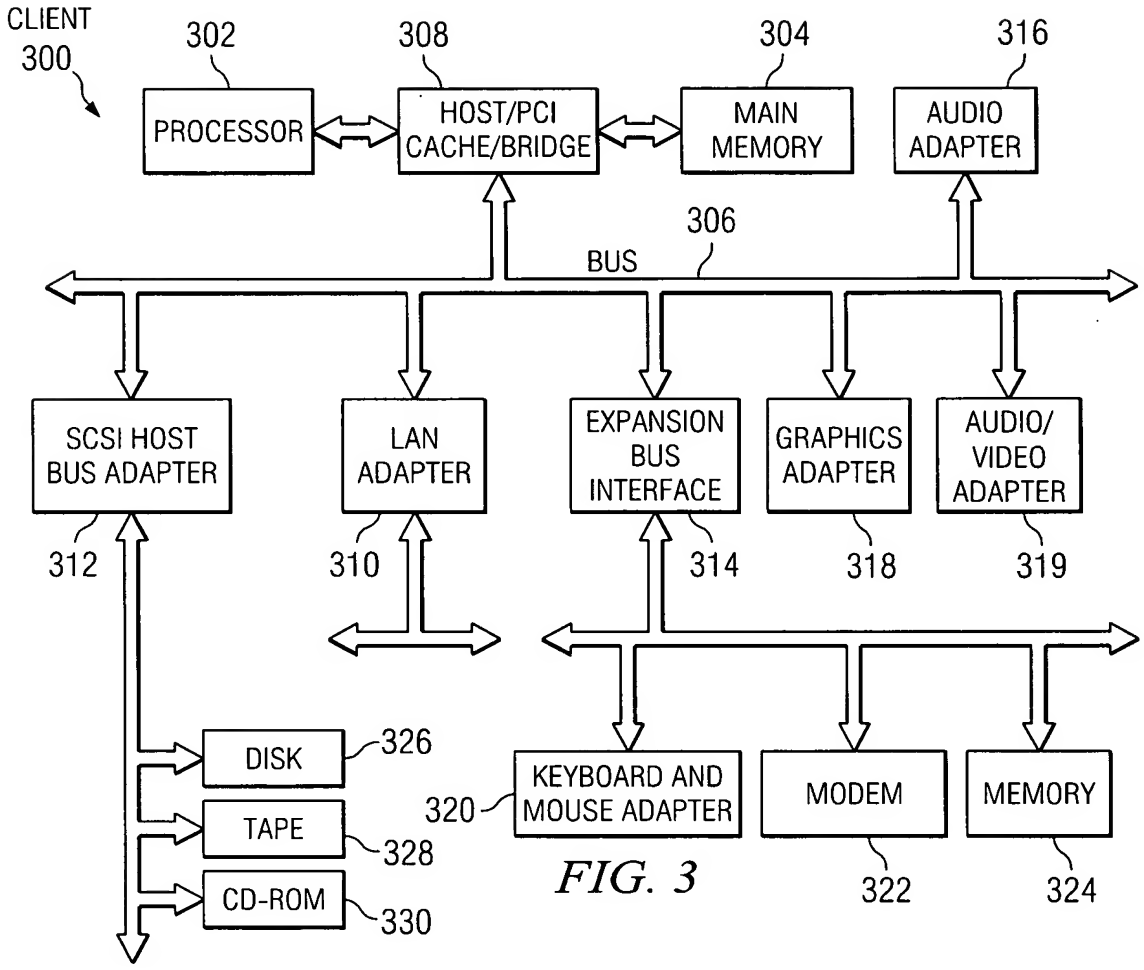
CLIENT
300
302
308
304
316
PROCESSOR
HOST/PCI CACHE/BRIDGE
MAIN MEMORY
AUDIO ADAPTER
306
BUS
SCSI HOST BUS ADAPTER
LAN ADAPTER
EXPANSION BUS INTERFACE
GRAPHICS ADAPTER
AUDIO/ VIDEO ADAPTER
312
310
314
318
319
DISK
326
TAPE
328
CD-ROM
330
320
KEYBOARD AND MOUSE ADAPTER
MODEM
MEMORY
322
324

FIG. 3

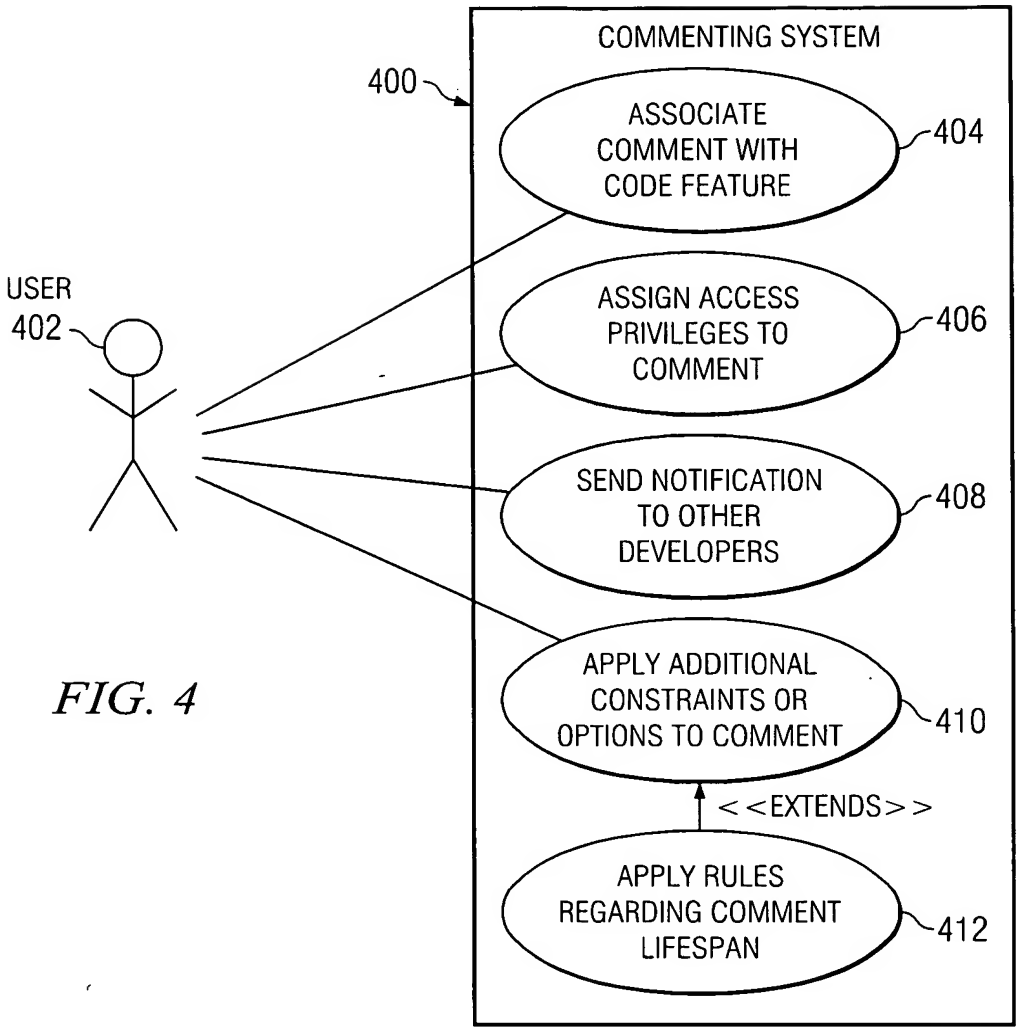
COMMENTING SYSTEM
400
ASSOCIATE COMMENT WITH CODE FEATURE
404
ASSIGN ACCESS PRIVILEGES TO COMMENT
406
SEND NOTIFICATION TO OTHER DEVELOPERS
408
APPLY ADDITIONAL CONSTRAINTS OR OPTIONS TO COMMENT
410
<<EXTENDS>>
APPLY RULES REGARDING COMMENT LIFESPAN
412
USER
402

FIG. 4

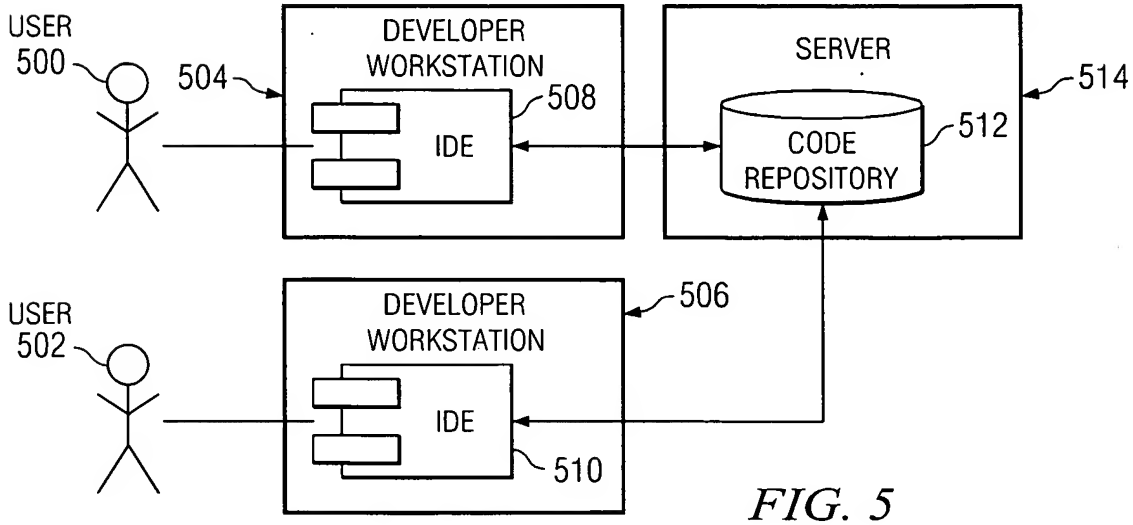
USER
500
504
DEVELOPER WORKSTATION
508
IDE
SERVER
514
CODE REPOSITORY
512
USER
502
DEVELOPER WORKSTATION
506
IDE
510

FIG. 5

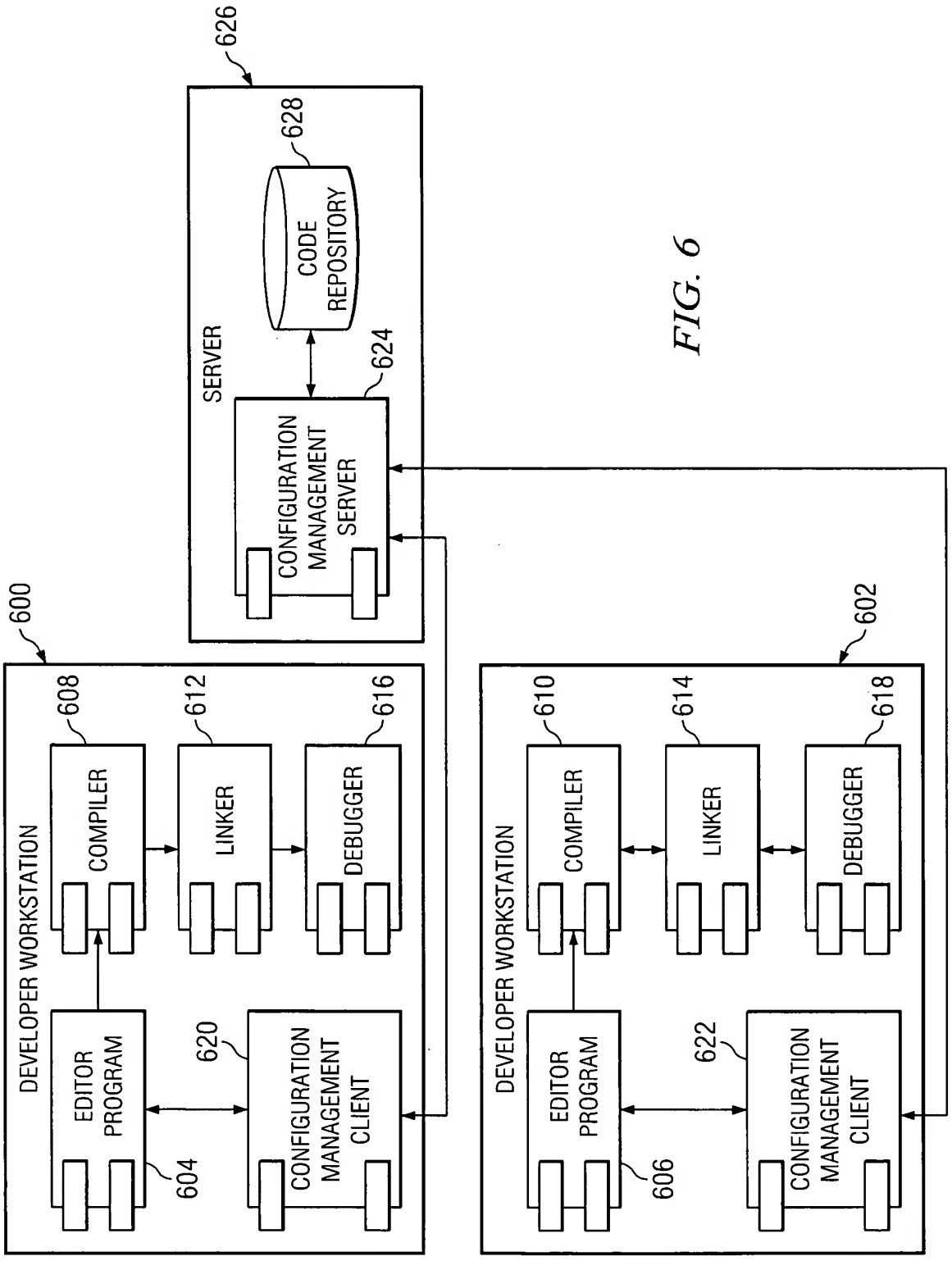
626
628
CODE REPOSITORY
SERVER
624
CONFIGURATION MANAGEMENT SERVER
600
602
DEVELOPER WORKSTATION
608
612
616
610
614
618
COMPILER
LINKER
DEBUGGER
EDITOR PROGRAM
620
622
CONFIGURATION MANAGEMENT CLIENT
604
606

FIG. 6

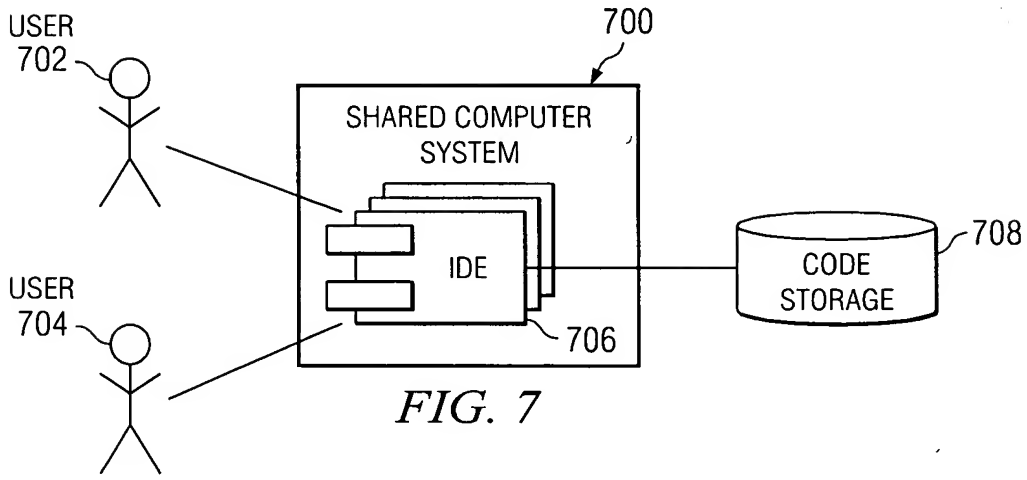
USER
702
700
SHARED COMPUTER
SYSTEM
IDE
706
CODE
STORAGE
708
USER
704

FIG. 7

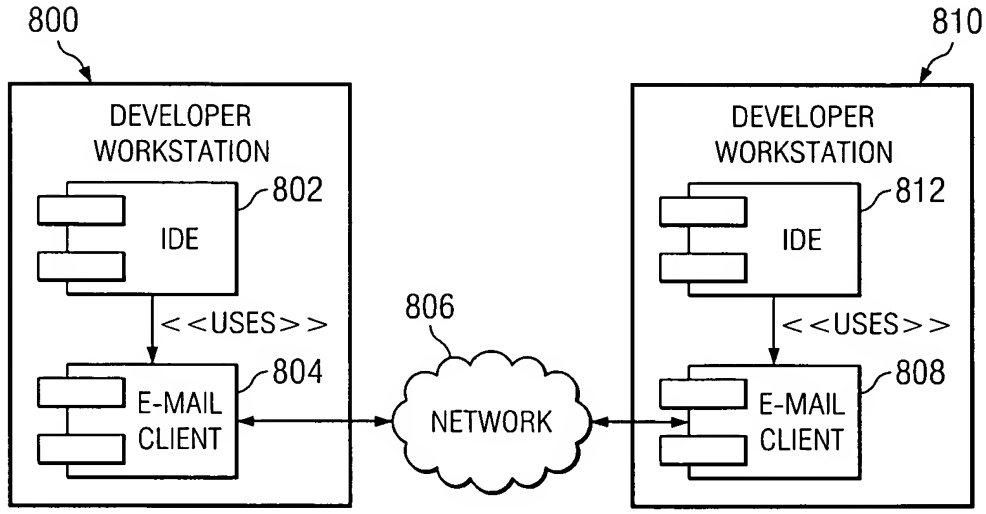
800
DEVELOPER
WORKSTATION
IDE
802
<<USES>>
E-MAIL
CLIENT
804
806
NETWORK
810
DEVELOPER
WORKSTATION
IDE
812
<<USES>>
E-MAIL
CLIENT
808

FIG. 8

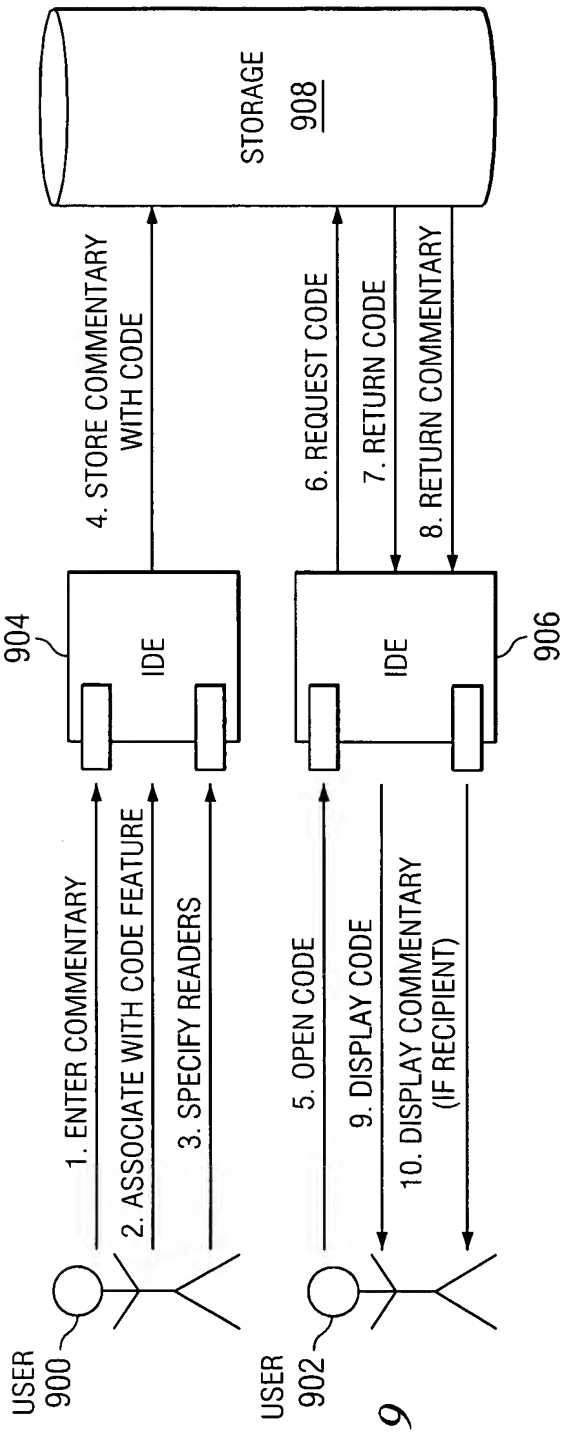
STORAGE
908
4. STORE COMMENTARY WITH CODE
6. REQUEST CODE
7. RETURN CODE
8. RETURN COMMENTARY
904
IDE
906
IDE
1. ENTER COMMENTARY
2. ASSOCIATE WITH CODE FEATURE
3. SPECIFY READERS
5. OPEN CODE
9. DISPLAY CODE
10. DISPLAY COMMENTARY (IF RECIPIENT)
USER 900
USER 902

FIG. 9

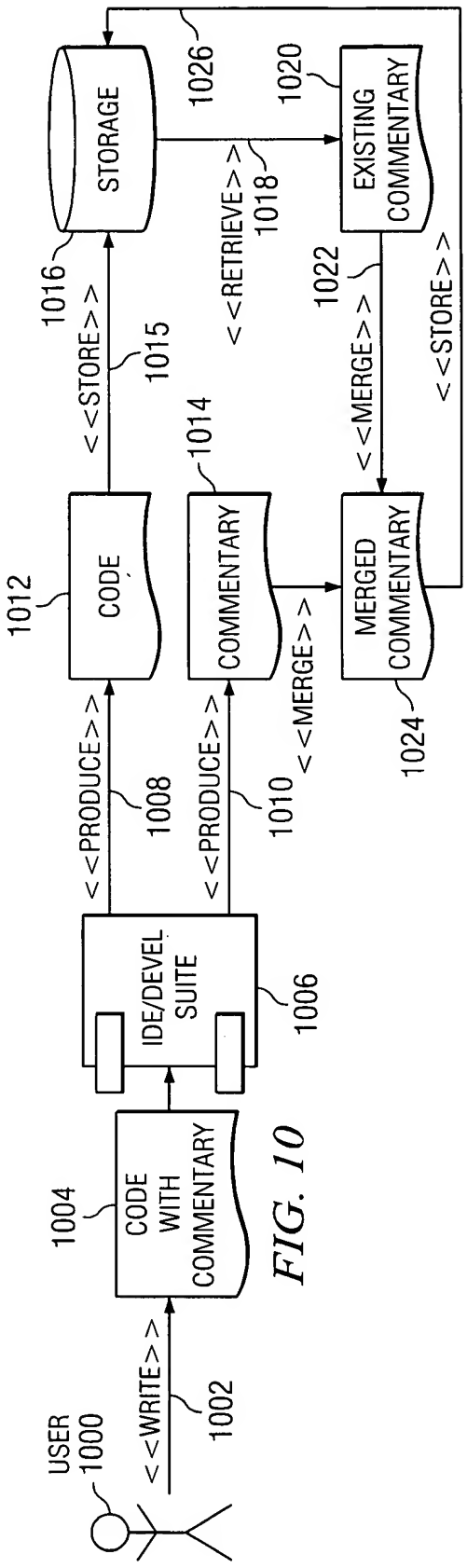
STORAGE
1026
1020
EXISTING COMMENTARY
<<RETRIEVE>>
1018
1016
<<STORE>>
1015
1022
<<MERGE>>
<<STORE>>
1012
CODE
1014
COMMENTARY
MERGED COMMENTARY
1024
<<PRODUCE>>
1008
<<PRODUCE>>
1010
<<MERGE>>
1004
CODE WITH COMMENTARY
IDE/DEVEL SUITE
1006
<<WRITE>>
1002
USER 1000

FIG. 10

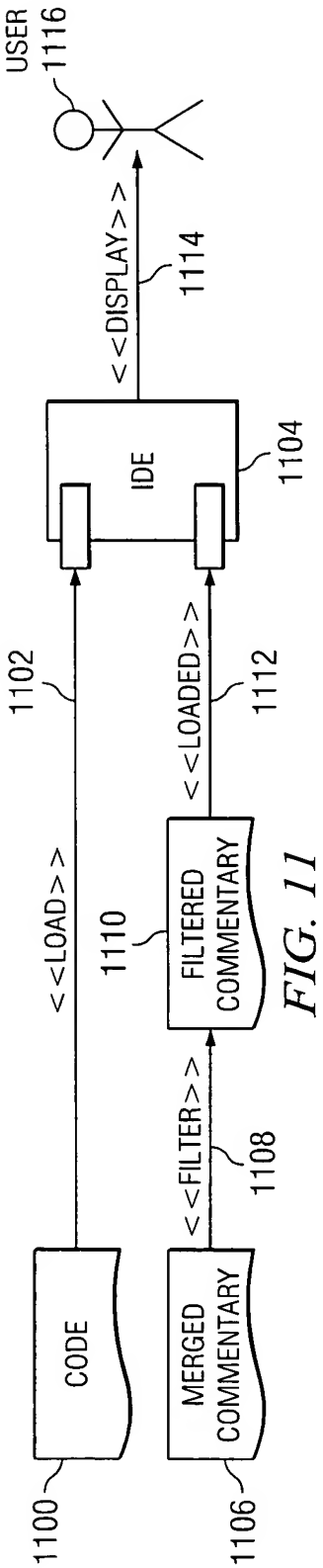

FIG. 11

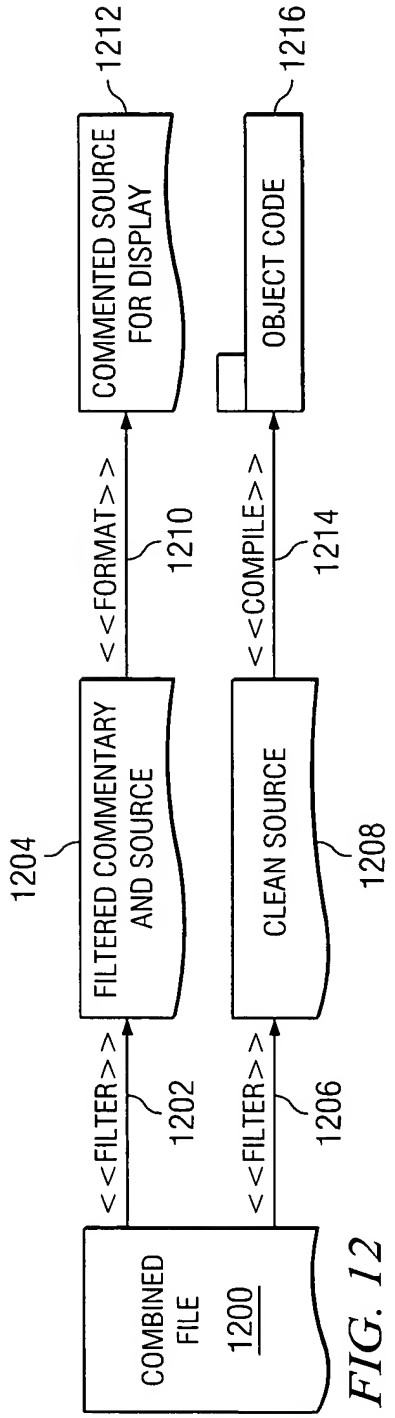

FIG. 12

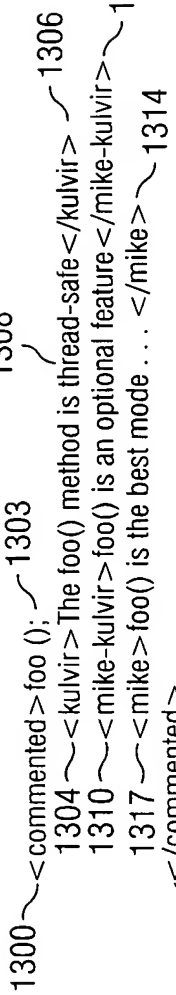

FIG. 13

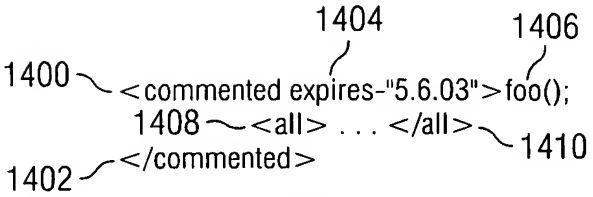

FIG. 14

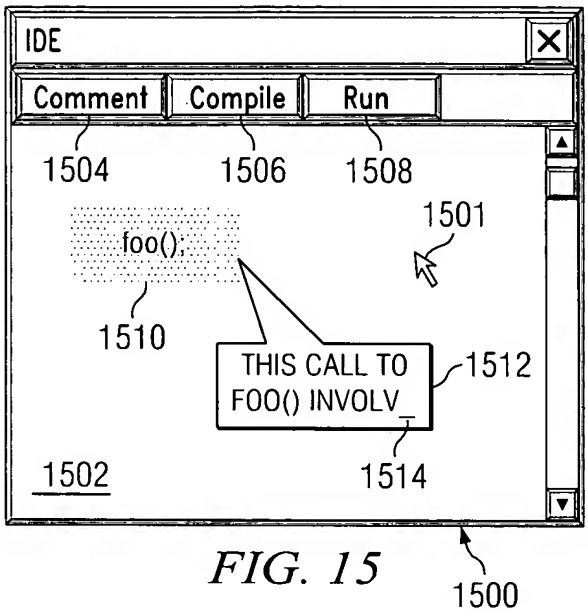

FIG. 15

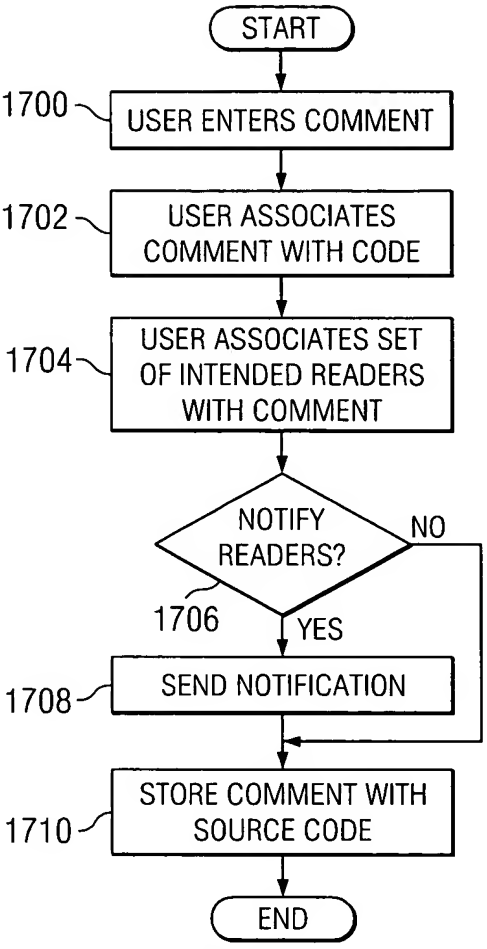

FIG. 17

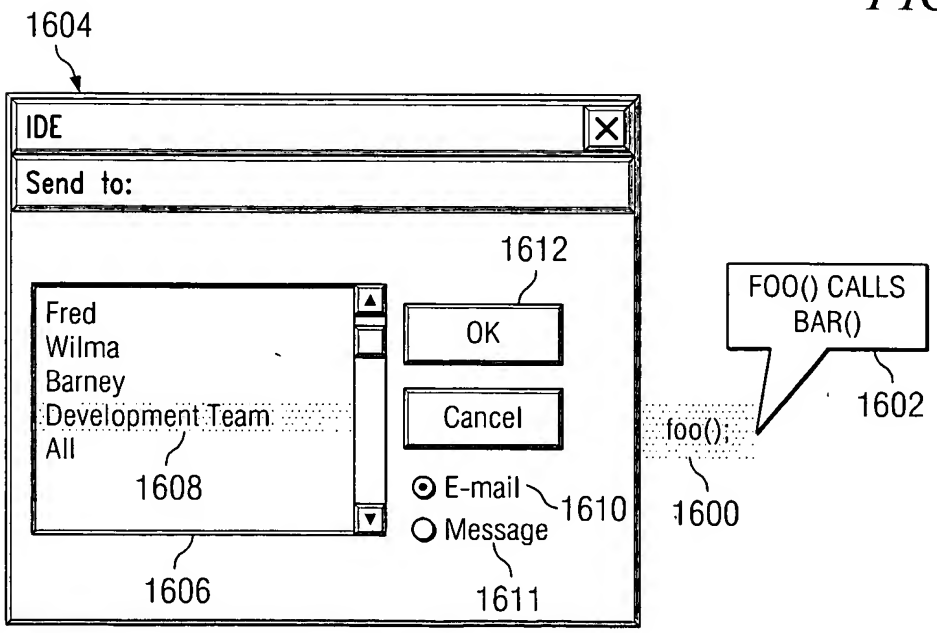

FIG. 16